

AMENDMENTS TO THE CLAIMS

1. (Original) A cellular phone, comprising:

a first main body having a motor with a shaft, an elastic member elastically supporting the motor, and a switch activating the motor;

a power transmitting unit coupled to the shaft of the motor to receive a rotation power from the motor;

a pinion coupled to the power transmitting unit to be rotated by the rotation power;

a second main body slidably coupled to the first main body, having a rack coupled to the pinion, and sliding with respect to the first main body according to movements of the pinion and the rack; and

a sliding detecting unit detecting a termination of a sliding operation of the second main body to control the motor.

2. (Original) The cellular phone of claim 1, wherein the elastic member has an elastic force which is greater than the rotation power and less than an external force exerted on the second main body to slide with respect to the first main body, and which is extended to elastically support the motor in an automatic sliding operation of the second main body and is compressed to prevent a rotation of the motor in a manual sliding operation of the second main body.

3. (Original) The cellular phone of claim 1, wherein the power transmitting unit comprises:

a pair of members facing each other to be selectively coupled to each other.

4. (Original) The cellular phone of claim 3, wherein the pair of members comprises:

a male cam having one end coupled to the shaft of the motor and the other end formed with a projection having tapered surface formed on both sides thereof; and

a female cam having one end formed with a groove corresponding to the projection of the male cam to be bound to the male cam, and the other end coupled to the pinion to rotate together with the pinion.

5. (Currently Amended) The cellular phone of claim 4, wherein the groove of the ~~cellular phone~~ female cam comprises a groove having a ["-"] linear shape.

6. (Currently Amended) The cellular phone of claim 4, wherein the groove of the ~~cellular phone~~ female cam comprises a groove having a ["+"] cross shape.

7. (Original) The cellular phone of claim 1, wherein the sliding detecting unit is provided in one of the first and second main bodies.

8. (Original) The cellular phone of claim 7, wherein the sliding detecting unit is provided in the first and second main bodies.

9. (Original) The cellular phone of claim 8, wherein the sliding detecting unit comprises:

a plurality of sensors each having two contacts, activated when the two contacts come in contact with each other, and detecting the termination of the sliding operation of the second main body according to the contact between the two contacts.

10. (Original) The cellular phone of claim 9, wherein the sensors are installed on different portions of the first main body and each comprises a switching terminal operating by pressure, and the sliding detecting unit comprises a projection formed on the second main body and pushing

the switching terminal to operate when the sliding operation of the second main body is terminated.

11. (Original) The cellular phone of claim 8, wherein the sliding detecting unit comprises:

a plurality of noncontact sensors activated by a distance between the noncontact sensors and detecting the termination of the sliding operation of the second main body according to the activated noncontact sensors.

12. (Original) The cellular phone of claim 11, wherein the noncontact sensors are installed on the first main body and each comprises a hall element operating by a magnetic field, and the sliding detecting unit comprises a magnet disposed on the second main body to generate the magnetic field and disposed to face one of the noncontact sensors when the sliding operation of the second main body is terminated, to activate the one of the noncontact sensors.